

Maul, Daniel

From: Gockel, Catherine
Sent: Tuesday, April 20, 2021 1:17 PM
To: Callahan, Cindy (FHWA)
Subject: FW: Green Bridges | update + stakeholder engagement

FYI and we can talk about this as well 😊 Thanks

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From: Gockel, Catherine
Sent: Monday, April 19, 2021 1:13 PM
To: Jessie Israel <jessie.israel@TNC.ORG>; Epstein, Larry (PSP) <larry.epstein@psp.wa.gov>
Cc: Christin Hilton <chilton@TNC.ORG>; Rowan Roderick-Jones <rowan.roderick-jones@TNC.ORG>; John Phillips <JMPhillips@parametrix.com>
Subject: RE: Green Bridges | update + stakeholder engagement

Hi Jesse, all,

Thanks for this exciting update. I'm not sure how to answer your question re: if I'm the right decision-maker rep for EPA for this. What are you looking for from EPA with regard to this project? Happy to talk via phone if that would be better than email.

Is WSDOT supportive? Is Ecology? From chatting with Jana Crawford, it sounds like WSDOT's [Stormwater Management Program Plan](#) focuses on the urban fringe and salmon-bearing streams, and not super urban areas like the ship canal. But from a loading perspective, the ship canal is critical.

I'd recommend connecting with the Stormwater Strategic Initiative about this if you haven't already.

Thanks for keeping me in the loop and for your team's work on this,

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From: Jessie Israel <jessie.israel@TNC.ORG>
Sent: Monday, April 19, 2021 11:22 AM
To: Gockel, Catherine <Gockel.Catherine@epa.gov>; Epstein, Larry (PSP) <larry.epstein@psp.wa.gov>
Cc: Christin Hilton <chilton@TNC.ORG>; Rowan Roderick-Jones <rowan.roderick-jones@TNC.ORG>; John Phillips <JMPhillips@parametrix.com>
Subject: Green Bridges | update + stakeholder engagement

Hi Catherine and Larry –

I wanted to give you both a quick update that the Green Bridges I-5 Ship Canal stormwater project is gearing up! TNC just brought on Parametrix to help work with partners and get to a conceptual design for the project -- we're so excited about the depth of experience this team is bringing to the project! WSDOT and others are working closely with us on coordination with their site and the adjacent stormwater technology testing facility.

As we begin to frame up a stakeholder workshop for later this spring, I wanted to introduce you both to **John Phillips who is leading the Parametrix consultant team.**

We really would love for this pilot to be designed in a way that is a strong win for both EPA and Puget Sound Partnership in helping us troubleshoot how we can streamline big voluntary stormwater efforts that cross multiple jurisdictional and regulatory boundaries. We'll certainly also be reaching out to Ecology and other critical stakeholders. The (aggressive!) timeline for this study is April through the end of June 2021.

At this point, we're trying to be in touch with decision makers for key agencies to gauge their needs and aspirations for this project.

Would you be the right decision-maker reps from EPA and PSP?

Jessie

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Green Bridges, Healthy Waters
Neighborhood Scale Stormwater Park Feasibility @ Interstate 5 Ship Canal

The **Green Bridges, Healthy Waters** initiative is a collaborative between The Nature Conservancy (TNC) and many other cross sector partners to assess, inform and develop projects that manage runoff from bridges and elevated roadways throughout the region. Pilot projects are designed to tackle the most significant pollution pathways in our communities - roads and highways. By a large margin, roads are often the most significant pathway for both water and air pollution –containing a toxic brew of chemicals from emissions, tire rubber dust, oil leaks, etc. TNC's stormwater tool reveals that if we treat the top 7% most polluted places –the pollution hotspots -we could reduce pollution going into Puget Sound by 50%. Pilots are designed to tackle this 7% with the use of green infrastructure, while increasing community health, stability and cohesion. We are working to rapidly advance the implementation of green infrastructure to reduce urban stormwater pollution in Puget Sound waters.

In 2020, TNC received a Washington Department of Commerce Grant to be used for planning work related to the management of stormwater runoff at the I-5 Ship Canal Bridge which may include coordination with project partners, community engagement, conducting engineering studies and staff support. In addition, TNC received a \$1.5million allocation for Green Bridges, Healthy Waters, of which \$500,000 was intended for construction of the [third bioswale at Aurora Bridge](#) and \$1m for construction of a first phase of a bioswale at the I-5 Ship Canal bridge. In August 2020, the third bioswale was completed at Aurora Bridge under the leadership from TNC's community partner, [Clean Lake Union](#).

Green Bridges/Roads Feasibility Study Pilot Project @ Interstate 5 Ship Canal has the potential to treat up to 98 Million Gallons/annually ([14% of City of Seattle GSI volumetric target – p10](#)). The I-5 Ship Canal study will assess the feasibility of managing stormwater runoff from the I-5 Bridge, potentially in multiple phases, and develop illustrative concept designs for stakeholder consideration. TNC and partners have identified that the WSDOT owned property and right-of-way beneath the northern span of the bridge at 40th St NE and Pasadena Place NE (the Northern Parcel) may be a suitable site for a first phase project. Through a collaborative agreement, a portion of this site is also being used by Washington Department of Ecology as a stormwater BMP research facility where various types of stormwater treatment systems are evaluated. This project builds upon a concept revealed in the [Aurora Bridge Mitigation Project Six Bridge Pilot Study](#) completed by KPFF and Salmon Safe.

While TNC serves as the client for this project, other stakeholders are engaged and collaborating on the project including Washington State Department of Transportation, Federal Highways Administration, Washington Department of Ecology, City of Seattle, Puget Sound Institute/University of Washington, and others.

April – July 2021: [Parametrix](#) will lead the consultant team to manage the study, collaboratively with multiple private and public organizations and agencies in order to resolve feasibility and design challenges – this scope of this effort includes:

- Gather Local and Site Data to Inform Design and Site Selection
 - Local Stormwater Management System
 - Pre-design data and base map
- Pre-Design Calculations and Stormwater Management Alternatives
- Virtual Stakeholder Engagement
- Stormwater Management Conceptual Design
- Phasing Strategy

